UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

OCT 2 1 2015

CERTIFIED MAIL – RETURN RECEIPT REQUESTED
Article Number: 7015 1520 0003 0791 2904

Honorable Mayor Daniel J. Reiman
Memorial Municipal Bldg.
61 Cooke Avenue
Carteret, NJ 07008

Re: **Request for Information**
Docket No. CWA-IR-16-002
EPA Sanitary Sewer System Compliance Evaluation Inspection June 10, 2015
Borough of Carteret
ICIS/NPDES No. NJP002551
NJDEP Program Interest ID No.94055 Sanitary System

Honorable Mayor Reiman:

Please find enclosed a Request for Information ("RFI") letter, which the U.S. Environmental Protection Agency ("EPA") Region 2 is issuing to the Borough of Carteret ("Carteret") pursuant to Section 308(a) of the Clean Water Act ("CWA"), 33 U.S.C. §1318(a). The EPA is issuing the RFI letter to require Carteret to provide specific information regarding the findings of the enclosed inspection report.

Section 308(a) of the CWA, 33 U.S.C. §1318(a), provides that whenever it is necessary to carry out the objectives of the CWA, including determining whether or not a person/agency is in violation of Section 301 of the CWA, 33 U.S.C. §1311 or carrying out section 402 of the CWA, 33 U.S.C. §1342, the EPA shall require the submission of any information reasonably necessary to make such a determination. Under the authority of Section 308 of the Clean Water Act, EPA may require the submission of information necessary to assess any facility/site and its related appurtenances for carrying out the provisions of the CWA.

On June 10, 2015, EPA conducted a Sanitary Sewer System Inspection of the Carteret Sanitary Collection System. The enclosed inspection report lists potential non-compliance items as well as areas of concern, which are items that should be addressed to improve the operation and maintenance of the collection system. Additionally, the Middlesex County Utilities Authority ("MCUA") wastewater treatment plant ("WWTP"), which Carteret discharges to, has had exceedances of its New Jersey Pollutant Discharge Elimination System ("NJPDES") Permit and wet weather bypassing related to high wastewater flows during periods of wet weather. Based on a review of MCUA metering chamber data, Carteret's flows to MCUA contains excessive inflow during wet weather. Additionally based on the number of sewer main blockages it appears that a more aggressive sewer cleaning/maintenance program is needed.

REQUEST FOR INFORMATION

Carteret is hereby required, pursuant to Section 308(a) of the Clean Water Act, 33 U.S.C. §1318(a), to submit the requested information regarding the subject construction site.

Within forty-five (45) calendar days of receipt of this RFI please submit:

1. in writing with the actions (including a schedule) that Carteret has taken or will take to address: the areas of concern identified in the enclosed inspection report;
2. a list of addresses and dollar amounts that were paid to residents/businesses as a result of claims due to Carteret's sanitary sewer backups for the period January 2012 to present;
3. Carteret's most recent Infiltration/Inflow ("I&I") Reduction Program, if one is required by MCUA, and/or existing plans, cost estimate and schedules for Carteret's I&I Reduction Program.
4. Specific targets for the volume of I&I removal per year. The 4 most recent Infiltration/Inflow Reduction Program Reports that were sent to MCUA (if Carteret is required to send them);
5. Plans for increased collection system cleaning/maintenance to reduce the number of sewer main blockages; and,
6. Records for any Sanitary Sewer Overflows that flowed into receiving waters or into separate storm sewer system catch basins for the period January 2011 to the present.

CERTIFICATION

Any documents to be submitted by Carteret as part of this Request for Information shall be sent by certified mail or its equivalent and shall be signed by an authorized representative of the respective entity (see 40 CFR §122.22), and shall include the following certification:

> "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

All information required to be submitted pursuant to this RFI shall be sent by certified mail or its equivalent to the following addresses:

Larry Gaugler, NPDES Team Leader
Water Compliance Branch
Division of Enforcement and Compliance Assistance
U.S. Environmental Protection Agency – Region 2
290 Broadway, 20th Floor
New York, NY 10007-1866

Marcedius T. Jameson, Director
Water and Land Use Enforcement
New Jersey Department of Environmental Protection
Mail Code 401-04F, 401 East State Street
P.O. Box 420
Trenton, NJ 08625-0420

Should you have any questions regarding this request, feel free to have your staff contact Larry Gaugler, NPDES Team Leader at (212) 637-3950.

Sincerely,

Doughlas McKenna, Chief
Water Compliance Branch
Division of Enforcement and Compliance Assistance

Enclosure

cc: Marcedius T. Jameson, Director, Water and Land Use Enforcement, NJDEP
Melissa Hornsby, NJDEP via email Melissa.Hornsby@dep.state.nj.us
Mike Carnevale, Supervisor of Sewers, carnevalem@carteret.net
John DuPont, P.E., Borough Engineer and Director Public Works, Dupontj@carteret.net

	EPA	United States Environmental Protection Agency Washington, D.C. 20460 **Water Compliance Inspection Report**	Form Approved. OMB No. 2040-0057

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
	NJP0025551	150610	&		1

Remarks

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	B1	QA	Reserved
1				

Section B: Facility Data

Name and Location of Facility Inspected *(for industrial users discharging to POTW, also include POTW name and NPDES permit number*	Entry Time/Date	Permit Effective Date
Borough of Carteret, Public Works, 339 Roosevelt Ave. Carteret, NJ 07008.	June 10, 2015, 9:30AM	
	Exit Time/Date	Permit Expiration Date
	3:30PM	

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data
Mike Carnevale, Supervisor of Sewers, 732 259 0633, carnevalem@carteret.net	NJDEP Sanitary Collection System ID No.94055

Name, Address of Responsible Official/Title/Phone and Fax Number(s)	Contacted	
John DuPont, P.E. , Borough Engineer and Director Public Works, 339 Roosevelt Ave, Carteret, N.J. 07008	Yes	x No

Section C: Areas Evaluated During Inspection ***(Check only those areas evaluated)***

	Permit		Flow Measurement	x	Operations & Maintenance	x	CSO/SSO (Sewer Overflow)
x	Records/Reports		Self-Monitoring Program		Sludge Handling/Disposal		Pollution Prevention
	Facility Site Review		Compliance Schedules		Pretreatment		Multimedia
	Effluent/Receiving Water		Laboratory		Storm Water		Other:

Section D: Summary of Findings/Comments ***(Attach additional sheets of narrative and checklists as necessary)***

See attached compliance evaluation inspection report for inspection findings.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Murray Lantner, P.E.	EPA/DECA-WCB/(212) 637-3976 FAX: 3953	10/15/15
Signature of Management Q/A Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
Larry Gaugler, P.E. Chief NPDES Team	EPA/DECA/WCB (212) 637-3950, Fax 212 637-3953	10/20/15

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	U	IU Inspection with Pretreatment Audit	I	Pretreatment Compliance (Oversight)
B	Compliance Biomonitoring	X	Toxics Inspection	@	Follow-up (enforcement)
C	Compliance Evaluation (non-sampling)	Z	Sludge - Biosolids	{	Storm Water-Construction-Sampling
D	Diagnostic	#	Combined Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
F	Pretreatment (Follow-up)	$	Combined Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
G	Pretreatment (Audit)	+	Sanitary Sewer Overflow-Sampling	~	Storm Water-Non-Construction-Non-Sampling
I	Industrial User (IU) Inspection	&	Sanitary Sewer Overflow-Non-Sampling	<	Storm Water-MS4-Sampling
J	Complaints	\	CAFO-Sampling	-	Storm Water-MS4-Non-Sampling
M	Multimedia	=	CAFO-Non-Sampling	>	Storm Water-MS4-Audit
N	Spill	2	IU Sampling Inspection		
O	Compliance Evaluation (Oversight)	3	IU Non-Sampling Inspection		
P	Pretreatment Compliance Inspection	4	IU Toxics Inspection		
R	Reconnaissance	5	IU Sampling Inspection with Pretreatment		
S	Compliance Sampling	6	IU Non-Sampling Inspection with Pretreatment		
		7	IU Toxics with Pretreatment		

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A — State (Contractor)
B — EPA (Contractor)
E — Corps of Engineers
J — Joint EPA/State Inspectors—EPA Lead
L — Local Health Department (State)
N — NEIC Inspectors
O — Other Inspectors, Federal/EPA (Specify in Remarks columns)
P — Other Inspectors, State (Specify in Remarks columns)
R — EPA Regional Inspector
S — State Inspector
T — Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing, and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2, DECA-WCB
20th Floor, 290 Broadway, NY, NY 10007

SANITARY SEWER SYSTEM
COMPLIANCE EVALUATION INSPECTION REPORT

Compliance Evaluation Inspection: Borough of Carteret NJDEP Program Interest ID No. Sanitary System NJDEP MS4 PID No. 94055 EPA ICIS No. NJP002551 Satellite Sanitary System of the Middlesex County Utilities Authority ("MCUA") Wastewater Treatment Plant (NJPDES Permit No. NJ0020141)
Inspection Date: June 10, 2015 **Inspection Time:** 9:00 AM – 5:00 PM
EPA Inspector: Murray Lantner, P.E. Environmental Engineer, EPA Region 2, DECA-WCB (212) 637-3976
On-Site Representatives: Mike Carnevale, Supervisor of Sewers, No. 732 259 0633, carnevalem@carteret.net
Site Information: John DuPont, P.E. , Borough Engineer and Director Public Works, 339 Roosevelt Ave, Carteret, N.J. 07008. Dupontj@carteret.net
Precipitation Information: http://www.njweather.org – New Brunswick Precipitation 0.06" on June 9 and 0" on June 10, 2015

I. Introduction

1. EPA conducted a Sanitary Sewer System Compliance Evaluation Inspection ("CEI") on June 10, 2015 of the Borough of Carteret's Sanitary Sewer System ("SSS"). Carteret's SSS flows through the Carteret metering chamber into Middlesex County Utilities Authority's ("MCUA") sewer system tributary to the MCUA Wastewater Treatment Plant (NJPDES Permit No. NJ0020141)

2. Carteret's population is approximately 24,000people and covers about 5 square miles.

3. The sanitary sewer system consists of about 200,000 LF (~38 miles) of sanitary sewers, 7 sanitary pump stations and 1 stormwater pump station. The sanitary sewer pipes date back to 1903 and range in diameter from 8" to 32" constructed from Concrete and PVC. Manhole spacing was said to be approximately every 250' to 300'.

4. There is a total of 1,200 catch basins connected the separate storm sewer system.

5. Representatives said that they have been implementing Inflow and Infiltration ("I&I") reduction for the last few years. They said that extensive CCTV work was conducted in

the 1990s. Currently TV'ing of sewer lines typically done in conjunction with a road repair.

6. A summary of the monthly collection system reports can be seen in Table 1 for the period 2010 to June 2015can be found on Table 1. Also a summary of I&I from Carteret's MCUA metering chamber can be seen in Table 2

7. Representatives explained that they have a list of known trouble spots where they conduct weekly checks and monthly checks and conducting cleaning/jetting in these locations.

8. Stormwater from Kinder Morgan (Chemical Plant), flows into the sanitary sewer, but Carteret representatives indicated that Kinder Morgan stores it stormwater for 24 hours during and after the storm event.

9. Plant representatives kept records for municipality spills and overflows, but majority of the records were lost during Hurricane Sandy.

10. Representative stated that no overflows were reported during the last 5 years. Representative explained that there were no records of municipality overflow, only clogged laterals, but records do show a history of blockages.

11. Representative said that in case there is an issue, citizen would call the police and the police would call the sewer department. A crew will be sent out to open and inspect manholes in order to determine if it is an issue on the main or lateral.

12. Carteret has 7 pump stations. Currently, there is no list that shows the capacity of each of the stations. They all run with a magnetic meter.

13. All of the pump stations have alarm systems for high water, power failure, low water and a float alarm pump can work off the float. ADT serves Roosevelt, and Bergen, Haywood, Sabo, Middlesex and Harrison are served by HG Systems.

14. Sewer bills are based upon water consumption, $174 minimum per 6 months for sewer handler by tax per month. This is done through the billing department, bills were not available. Water provided by Middlesex Water.

15. Inflow is eliminated by a contractor; street paver will do the sewer.

16. Preventive maintenance is done weekly (Friday Checks).

17. Catch basins, manholes and pumps are cleaned when it is demanded or when conducting Friday Checks.

18. Closed-Circuit Television equipment is used to inspect sanitary sewer systems only when doing a road repair.

19. Carteret does not have a Fat, Oils and Grease ("FOG") program. Everything is handled by the county's Health Department.

20. Majority of the grease backups are residential ones, and some restaurants.

21. Irene and Sandy caused surcharges in manholes, but it stays in the system; no backups.

22. Any repair issues are taken care of by outside contracts (B&W).

II. Summary of Potential Noncompliance and Areas of Concern

A. Areas of Concern:

1. As shown in the spill reports in Attachment 4 compiled from NJDEP Data Miner (http://datamine2.state.nj.us/DEP_OPRA/OpraMain/get_long_report?) for the period of August 28, 2011 and June 16, 2015, there were spills reported on 08/28/11, 08/31/2011, 09/11/2011 and 04/21/2015. Please provide Carteret records for these incidents if available.

2. Representative mentioned that there are no written procedures for responding to and reporting sanitary sewer overflow or spills.

3. Carteret said that they have insurance for its collection system (Joint Insurance Fund). Information on claims paid out was not available during the inspection. Please provide a summary of claims paid out for sewer backups for the period January 2011 to present.

4. As shown in Table 1 below the for the period 2011 to 2014 wet weather flows during the wettest period of the year compared to the driest increased from 2.5 to 5 times, a sign of significant wet weather I&I. Please provide Carteret's I&I Reduction Plan, if it has submitted one to MCUA. Carteret reported that during large storms sanitary sewer manholes in the town become surcharged.

Table 1: MCUA metering chambers in Carteret comparing maximum wet weather/dry weather flow difference in 2011 to 2014 – data submitted to EPA by MCUA

Participant Metering Chamber	Connection	2011 Max Difference between wet and dry weather flows (MG)	2011 Max Percent Difference for those 150 % Greater (%)	2011 Dry Period	2012 Max Difference between wet and dry weather flows (MG)	2012 Max Percent Difference for those 150 % Greater (%)	2012 Dry Period
Carteret	Total	13.072	557	2.348	6.169	252	2.451

2013 Max Difference between wet and dry weather flows (MGD)	2013 Max Percent Difference for those 150 % Greater (%)	2013 Dry Period (MGD)	2014 Max Difference between wet and dry weather flows (MGD)	2014 Max Percent Difference for those 150 % Greater (%)	2014 Dry Period (MGD)
11.584	588	1.970	9.568	373	2.567

MCUA Metering Chamber	Flow 4/30/14 During 3.01" Rain Event (MGD)	Flow 6/7/13 During 2" Rain Flow (MGD)	Flow 1/12/12 During 0.73" Rain Event (MGD)	Flow 8/14/11 During 5.77" Rain Event (MGD)
Carteret	12.135	13.554	7.360	15.42

5. Carteret's Collection System Monthly Reports summarized in Table 2 below depict a high level of main blockages that generally reflect the need for increased collection system cleaning/maintenance. Carteret representatives explained that outside of the routine checks of problem locations (Attachment 2) and complaints they do not do programmatic cleaning of the system. The summary data that was used to develop Table 2 is included in the Attachment 3. Carteret said that they had problems with residential grease. Please provide a plan to EPA for increased sewer cleaning to reduce the number of main blockages.

Table 2 - Carteret - Summary Table (Using extrapolation for when month(s) of data missing)			
FT of Sewer Cleaned	Percent of System Cleaned	Percent of System Televised	Main Blockages, No. per 100 miles of sanitary sewer per year
2015	10.5%	0.0%	73.9
2014	15.8%	0.1%	114.0
2013	18.6%	0.0%	86.4
2012	16.0%	0.0%	106.6
2011	11.3%	0.5%	106.6
2010	11.5%	2.7%	97.7

6. The following Areas of Concern were noted during the field portion of the inspection:

   a. As shown in photo 2851, Catch basin at the Carteret Public Works facility were in need of cleaning. These catch basins were cleaned during the inspection. Routine maintenance of catch basin is important to prevent discharges of solids/floatables to area waterways.

   b. As shown in photos 2852 and 2853 there is a potential of materials stored at the site to be discharged via stormwater. Consideration of stormwater contamination associated with public works facilities under its Municipal Separate Storm Sewer System ("MS4") Permit.

   c. Hudson and Mercer – As shown in photo 2854, Manhole had debris on the 3rd rung of ladder, signs of past sewer surcharging.

   d. The comminutor at the Bergen Pump Station was not working – see photo 2855. The flow now goes through the bar screen that is cleaned once per week. The Engineer was to bid out a new comminutor. What is the status of replacement/repair of the Bergen PS comminutor?

   e. As shown in photo 2856 there was some debris in the sanitary sewer at Poplar and Coolidge. Also there was signs of past surcharging with debris on the top rung of ladder.

   f. As shown in photo 2857 there was debris in one of the lines entering the manhole at 15 Van Buren,that was in need of cleaning.

   g. As shown in photo 2858 there were bricks and other debris in the sewer at Chestnut and Jackson, the line was in need of cleaning/vacuuming.

   h. As shown in photos 2859 and 2860 there was a buildup of grease in the wet well at the Harrison Pump Station. As shown in photo 2861 the basket at the influent

to the wet well was also full of rags and grease and was in need of cleaning. Carteret either on its own or with the Health Dept. or other agencies take measures to reduce grease discharges into the Harrison Pump Station.

i. As shown in photos 2862 and 2863 there was a buildup of rags and grease/debris in the Shop Rite Manhole and the manhole upstream of the Shop Rite Manhole. Carteret and other agencies should work with Shop Rite and any other sewer system users in that area to reduce the amount of rags/grease/debris entering the sanitary sewer system.

j. As shown in photo 2864 there was a pipe high in the manhole, but it is unknown what this pipe is for or if it is in use. Please identify what this pipe is used for or if it has been sealed.

k. As shown in photo 2865 there was debris high in the manhole – a sign of surcharging at this Roosevelt Ave. Manhole.

l. As shown in photo 2866 there was a manhole with water in it with a stagnant flow at or near Roosevelt/Roosevelt. Please verify the status of this manhole (storm or sanitary) and whether there is a blockage in the line and any actions that are needed at this location.

m. Bergen Street Pump Station ("PS") flow recorder was not working from May 8 to May 31 of 2014. The flow charts for June 2014 was missing and there was a gap from July 10 to July 14 of 2014. The Bergen St. PS flow meter went out for a few weeks in May of 2014.

n. Sabo Pump Station had floating material/grease/debris on water in wet well. Carteret should follow up and report any problems associated with industrial users to MCUA pretreatment personnel.

o. At the Dorothy PS the bar screen at the pump station was full of debris, but the flow enters the pump station through the comminutor which was operating. Flow recordings higher than the range of flows that the flow chart could accommodate on March 20 and March 29 of 2013.

p. Televising and cleaning of sewers done by private contractors are not reported on the Collection System Monthly Reports.

III. Field Work

During the field portion of the inspection, the EPA inspector visited the Carteret Public Works Facility and the following pump stations: Bergen, Harrison, Sabo, Dorothy, Roosevelt, and Middlesex. EPA viewed sanitary sewer manholes at Somerset and Union, Hudson and Mercer, 13 Emerson, Poplar and Coolidge, Poplar and Marion, Emerson and Termond, 389 Carteret, 15 Van Buren, Chestnut and

Jackson, New World Manhole (Milik Street) Shop-Rite Manhole, Roosevelt and Lafayette and Roosevelt/Roosevelt. Any Areas of Concern from the field work are discussed above.

IV. Closing Conference

A closing conference was held with a Carteret representative to discuss many of the findings that were identified during this inspection.

V. Attachments

1. EPA Photo Log and Photos
2. Boro of Carteret Sewer Problem Spots (Friday Checks)
3. Summary of Carteret Collection System Monthly Reports
4. NJDEP Incident Reports for Carteret related to Sewage Spills

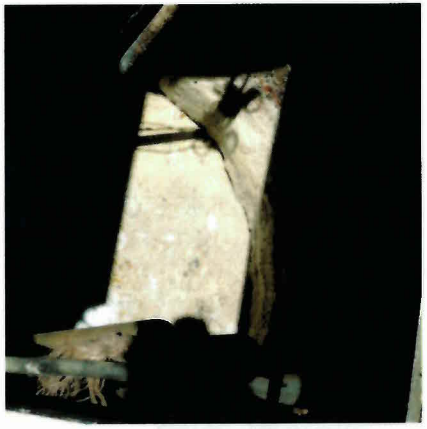
Photo ID	ATTACHMENT 1 – Borough of Carteret: SSO Inspection June 10, 2015 Unedited Digital Photographs Nikon Coolpix P510 Murray Lantner, P.E. Env. Eng. EPA Region 2, DECA-WCB Description
DSCN2847	List of Problems Spots that are inspected/cleaned more frequently
DSCN2848	List of Problems Spots that are inspected/cleaned more frequently
DSCN2849	Bar Racks (Roosevelt PS) with toilet paper, rags and other debris.
DSCN2850	Bar Racks (Roosevelt PS) with toilet paper, rags and other debris.
DSCN2851	Stormwater Catch Basin at Public Works facility - some debris on the inside. Catch basin was cleaned during inspection.
DSCN2852	Material storage at Carteret Public Works facility that could potentially be source of stormwater contamination
DSCN2853	Catch basin on roadway adjacent to Public Works facility that could receive stormwater flows from the public works facility
DSCN2854	Manhole at Hudson and Mercer- flowing normally grease visible; rags up to the 3rd rung of ladder.
DSCN2855	Comminutor at the Bergen Pump Station was not working
DSCN2856	Poplar and Coolidge - signs of surcharging - debris on top run of ladder – some debris in the sewer line as well.
DSCN2857	Debris in one of the lines entering the manhole at 15 Van Buren
DSCN2858	Chestnut and Jackson – Bricks and other debris in the sewer.
DSCN2859	Harrison Pump Station - There was a layer of grease and debris covering about half the surface of the pump station wet well
DSCN2860	Harrison Pump Station - There was a layer of grease and debris covering about half the surface of the pump station wet well
DSCN2861	Harrison Pump Station – the influent basket was filled with grease, rags and debris and was in need of cleaning.
DSCN2862	Shop Rite Manhole – a build up rags was seen in the manhole
DSCN2863	Manhole upstream from the Shop Rite Manhole seen in Photo 2862 also with a build up of material in it.
DSCN2864	Manhole - potentially where the New World flow comes in. – Pipe seen at top of manhole
DSCN2865	Manhole – thought to be Roosevelt where Kinder Morgran flow comes in. Also debris on top rung of ladder – said to be due to past storms.
DSCN2866	Manhole - halfway filled with water at/near Roosevelt/Roosevelt

DSCN2863

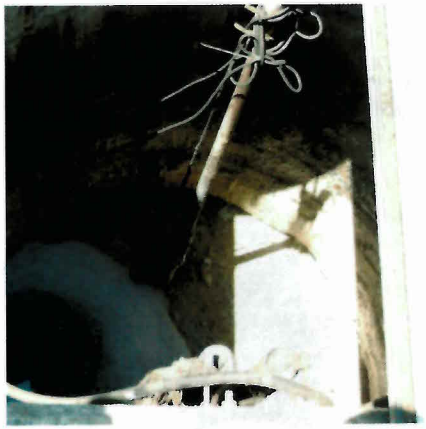
DSCN2864

DSCN2865

DSCN2866



DSCN2859



DSCN2860

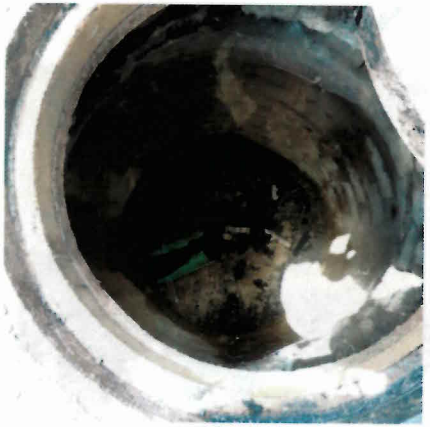
DSCN2861

DSCN2862

DSCN2855

DSCN2856

DSCN2857



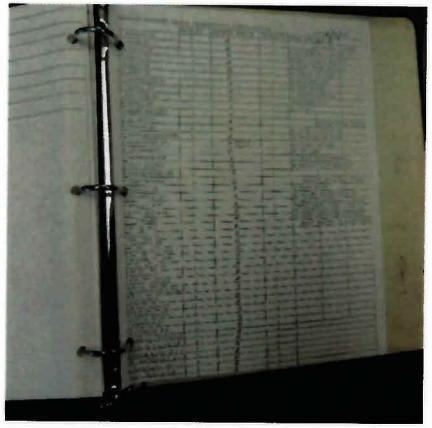
DSCN2858

DSCN2851

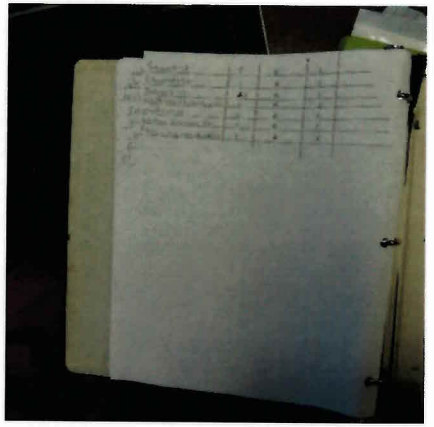
DSCN2852

DSCN2853

DSCN2854



DSCN2847



DSCN2848

DSCN2849

DSCN2850

Carteret New Jersey, Unedited EPA Sanitary Sewer System Inspection Photos, June 10, 2015. Taken with Nikon Coolpix P510 Digital Camera by Murray Lantner, P.E., Env. Eng. EPA Region 2

Attachment 2

BORO OF CARTERET SEWER PROBLEM SPOTS (FRIDAY CHECKS)

DATE

	PROBLEM	ACTION TAKEN	RESULTS
1 PASSAIC ST.			
2 UNION ST.			
3 HUDSON ST.			
4 EDWIN ST.			
5 HOLLY ST.			
6 CASEY ST.			
7 LONGFELLOW ST.			
8 LOWELL ST.			
9 EMERSON ST.			
10 LEBER ST.			
11 LEBER & LAUERL			
12 53 LAUERL			
13 POPLAR ST.			
14 HAGAMAN & HICKORY			
15 MARKOWITZ ST.			
16 HAGAMAN ST.			
17 HARRISON AVE			
18 EAST CHERRY			
19 WEDGEWOOD DR.			
20 SWARTHMORE			
21 CLOVER CT.			
22 TENNYSON ST.			
23 HEBERT AVE			
24 PERSHING AVE			
25 FIREHOUSE			
26 PINHO AVE			
27 MONROE ST.			
28 CYPRESS ST.			
29 ROOSEVELT AVE			
30 WASHINTON AVE			
31 SOMERSET ST.			
32 WARREN ST			
33 EDWIN & ESSEX			
34 LINDEN & COOLIDGE			
35 VAN BUREN			
36 BLANCHARD ST.			
37 ETHERIDGE DR.			
38 DOROTHY ST,			
39 HARRISON P.S..			
40 READING - MERCER			
41 ARTHUR - MARCH			
42 TERMINAL AVE			
43 CARTERET AVE			
44 TAYLOR AVE			
45 OAK - BARLEK			

SIGNATURE

PROBLEM CODES

(1) NO PROBLEM LOCATION OK

(2) HEAVY SOLIDS BUILDUP

(3) LIGHT PAPER BUILDUP

(4) GREASE BUILDUP

(5) CLOGGED LINE

(6) HIGH WATER

(7) BROKEN MANHOLE

(8) BROKEN PIPE

(9) OTHER

ACTION TAKEN CODES

(A) NONE LOCATION OK

(B) BREAKING UP PAPER

(C) FLUSH OUT LINE

(D) JET LINE

(E) TREAT WITH CHEMICAL

(F) REPORT TO SUPERVISOR

RESULTS (IF ACTION TAKEN)

(1) FLOW IS OK

(2) PULLED ROOTS FLOW OK

(3) BROKEN UP GREASE FLOW OK

(4) PULLED OUT JUNK FLOW OK

(5) FLOW CAN NOT BE RESTORED

(MUST REPORT TO SUPERVISOR)

ATTACHMENT 3

Borough of Carteret				
2014	FT of Sewer Cleaned	FT of Sewer Televised	Main Blockage	Lateral Blockage
January	3250	0	5	9
February	1575	0	5	6
March	1400	0	4	7
April	1575	0	1	5
May	2000	0	2	6
June	3480	0	3	7
July	1950	0	3	6
August	4175	0	5	8
September	3795	0	4	10
October	Report	Not	Povided	/
November	Report	Not	Povided	/
December	Report	Not	Povided	/

2012				
January	2075	0	4	7
February	2225	0	5	7
March	3075	0	3	12
April	2200	0	1	7
May	1610	0	1	5
June	2900	0	4	7
July	2150	0	3	6
August	3125	0	4	8
September	Report	Not	Povided	/
October	Report	Not	Povided	/
November	Report	Not	Povided	/
December	Report	Not	Povided	/

Borough of Carteret				
2013	FT of Sewer Cleaned	FT of Sewer Televised	Main Blockage	Lateral Blockage
January	2625	0	3	11
February	4895	0	4	15
March	2450	0	2	10
April	3045	0	3	15
May	2850	0	0	8
June	4230	0	3	17
July	3750	0	3	13
August	3600	0	4	14
September	4575	0	5	12
October	1275	0	2	10
November	Report	Not	Povided	/
December	825	0	1	5

2011				
January	1115	0	6	1
February	Report	Not	Povided	/
March	1015	0	2	12
April	3200	0	3	10
May	1960	0	2	8
June	0	0	3	8
July	0	0	1	7
August	3940	1000	3	15
September	2075	0	3	11
October	2075	0	5	8
November	2080	0	4	7
December	3175	0	5	9

Borough of Carteret				
2010	FT of Sewer Cleaned	FT of Sewer Televised	Main Blockage	Lateral Blockage
January	1735	0	2	10
February	1275	0	0	10
March	3670	2820	0	14
April	3125	1300	5	8
May	2150	0	2	12
June	650	0	10	0
July	1850	0	4	7
August	1645	0	2	10
September	2250	1250	2	7
October	625	0	3	11
November	2300	0	3	10
December	1650	0	4	6

ATTACHMENT 4
Spill Reports related to the Sanitary Sewer System from NJDEP Data Miner for the period August 28, 2011 to the Present June 16, 2015
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/get_long_report
08/28/11, 08/31/2011, 09/11/2011, 04/21/2015

Incident ID Number: 399802 **Communications Center Number:** 11-08-28-1422-11

Received Date: 8/28/2011

Incident Description: MANHOLE OVERFLOW DUE TO HEAVY RAINS. TERMINATED AT THIS TIME.

Incident Type Program: Water Quality

Incident Type: Sewage

Follow-up Status:

Program Interest Name:

Program Interest ID:

Most Recent Compliance Evaluation: **Most Recent Enforcement Action:**

Linked Incidents	Linked Incident Program	Linked Incident Type	Followup Status
399795	Communication Center	Sewage	Closed, Inv-no viol

Incident ID Number: 400735 **Communications Center Number:** 11-08-31-1142-33

Received Date: 8/31/2011

Incident Description: SEWAGE SPILLED INSIDE RESIDENCE. NO CLEAN UP.

Incident Type Program: Water Quality

Incident Type: Sewage

Follow-up Status:

Program Interest Name:

Program Interest ID:

Most Recent Compliance Evaluation: **Most Recent Enforcement Action:**

Linked Incidents	Linked Incident Program	Linked Incident Type	Followup Status
400690	Communication Center	Sewage	Closed, No Inv.

Incident ID Number: 403299 Communications Center Number: 11-09-14-1320-39

Received Date: 9/14/2011

Incident Description: SEWAGE OVERFLOWED INTO THE STREET. NO CLEAN UP IS BEING DONE.

Incident Type Program: Water Quality

Incident Type: Sewage

Follow-up Status:

Program Interest Name:

Program Interest ID:

Most Recent Compliance Evaluation:

Most Recent Enforcement Action:

Linked Incidents	Linked Incident Program	Linked Incident Type	Followup Status
403231	Communication Center	Sewage	Closed, No Inv.

Incident ID Number: 554391 Communications Center Number: 15-04-21-1717-10

Received Date: 4/21/2015

Incident Description: CALLER REPORTS SEWAGE WATER THAT COMES OUT OF AN OPENING IN THE CURB AT HER NEIGHBORS HOUSE.

Incident Type Program: Water Quality

Incident Type: Sewage

Follow-up Status:

Program Interest Name:

Program Interest ID:

Most Recent Compliance Evaluation:

Most Recent Enforcement Action:

Linked Incidents	Linked Incident Program	Linked Incident Type	Followup Status
554335	Communication Center	Sewage	Referred